Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/13/2021 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124176	-1	1.27	124089	1.29
Blue	F	SSC	125000	123226	-2	2.50	123575	2.39
Blue	E	FITC	13131	12625	-4	2.25	291	15.99
Blue	D	PE	24112	23623	-3	1.66	542	10.92
Blue	B	PerCP-Cy5-5	31295	30731	-2	2.98	1020	14.31
Blue	A	PE-Cy7	19939	19882	-1	5.30	531	29.49
Red	C	APC	42122	41841	-1	3.00	1757	11.25
Red	A	APC-Cy7	22340	21469	-4	3.38	810	11.87
Violet	B	V450	7410	7098	-5	3.71	434	12.41
Violet	A	V500	28118	26887	-5	3.20	672	10.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22728	1.24	567	-2	N/A	N/A	Pass
Blue	F	SSC	57415	1.12	518	6	N/A	N/A	Pass
Blue	E	FITC	54	54.62	485	-2	0.0382	82	Pass
Blue	D	PE	114	37.07	488	0	0.3799	276	Pass
Blue	B	PerCP-Cy5-5	189	35.67	585	-1	0.0206	85	Pass
Blue	A	PE-Cy7	107	67.21	628	0	0.0212	0	Pass
Red	C	APC	407	24.04	579	3	0.0293	245	Pass
Red	A	APC-Cy7	181	28.05	551	0	0.0060	1062	Pass
Violet	B	V450	62	64.25	457	4	0.0749	3219	Pass
Violet	A	V500	97	36.28	468	3	0.0253	1107	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/13/2021 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.63	-31.41	1.04
Blue	20.37	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.89	13.60 - 20.40	N/A	N/A	29.85	30.04	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9736

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments